

ABSTRACT OF THE DISCLOSURE

When the coding processings are performed in parallel, coded data need to be so arranged that the coded data are properly stored in a memory, thus preventing a storage operation from being executed at high speed. A group of encoders encode image data, respectively, and notifies an address specifying unit of the amount of code data. The code data generated by the group of encoders are temporarily stored in a group of temporary buffers. A code buffer write unit reads out the code data from the group of temporary buffers. Then, the code buffer write unit writes, in parallel, to the memory the code data corresponding to a plurality of data blocks, starting from write-start positions calculated by the address specifying unit.